

Amendments to the Specification:

Page 7, amend the paragraph beginning on line 10 to read as follows:

an NMR probe head equipped with an ~~NRM-NMR~~ receiver coil and an irradiation coil;

Page 7, amend the paragraph beginning on line 12 to read as follows:

a preamplifier, arranged in said probe head, for amplifying the ~~NMR-NMR~~ signal received by said ~~NRM-NMR~~ receiver coil;

Page 7, amend the paragraph beginning on line 15 to read as follows:

a coil cooling heat exchanger, arranged in said probe head, for exchanging heat between said ~~NRM-NMR~~ receiver coil/irradiation coil and coolant;

Page 8, amend the paragraph beginning on line 2 to read as follows:

a third transfer tube for transferring the coolant from said cooling ~~appropriate device~~ to said probe head; and